Former ASA(ALT)/AAE Perspective

The Honorable Claude M. Bolton, Jr., DSc
DAU Executive in Residence

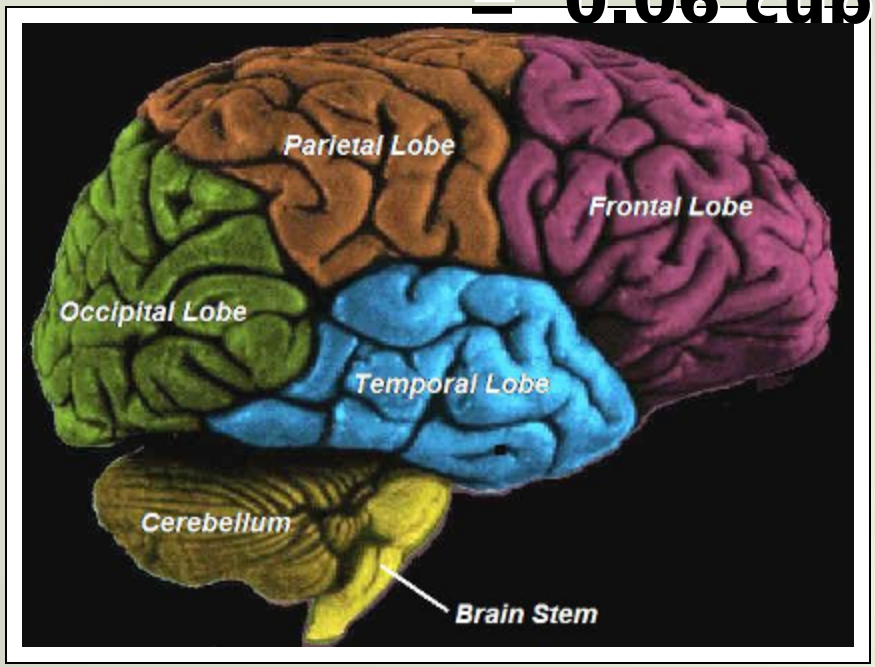
An Amazing Set of Facts

The Human Brain

Computational Power $\cong 10^{16}$ cycles per second

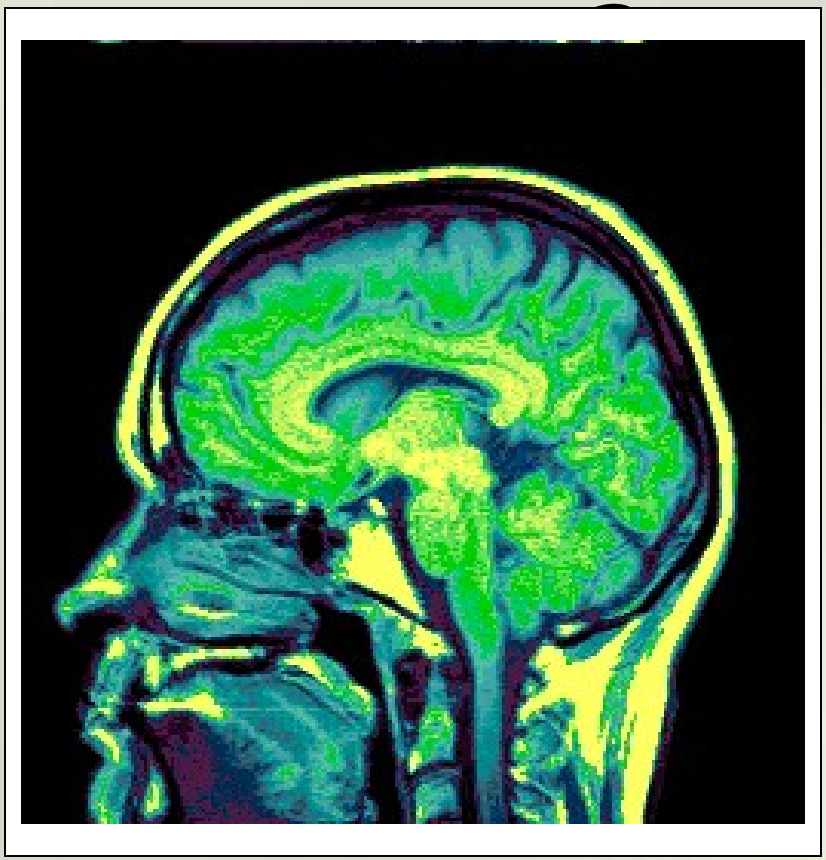
Weight = 4 lbs.

Volume = 0.06 cubic feet



Trivia Question

How Many <u>Watts Of Power</u> Does The Human Brain



Trivia Answer

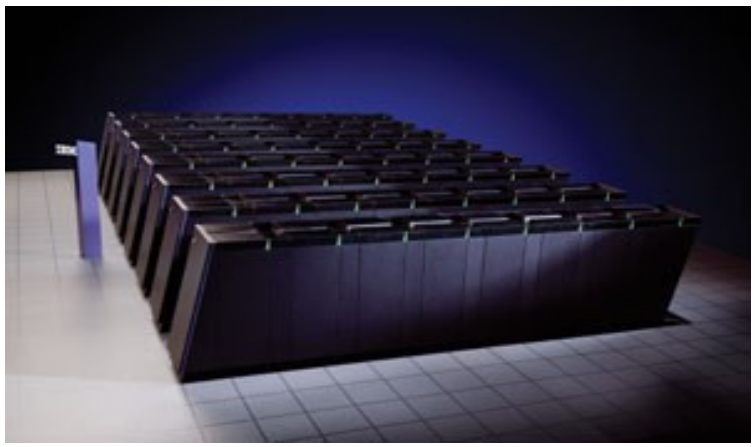
15 Watts

Bluegene Is The Most Powerful Supercomputer.

Computational Power = 10^{15} cycles per second

Weight = 100,000 lbs.

Volume = ubic feet



Power Required = 2,000,000 Watts

(Data provided by Lawrence Livermore National Laboratory)

Challenges

- **Provide the Soldier**
  - **Right Product**
  - **Right Time**
  - **Right Place**
  - **Right Price**
- **Focus Areas**
  - **Programs**
  - **People**
  - **Production**
  - **Improvement**

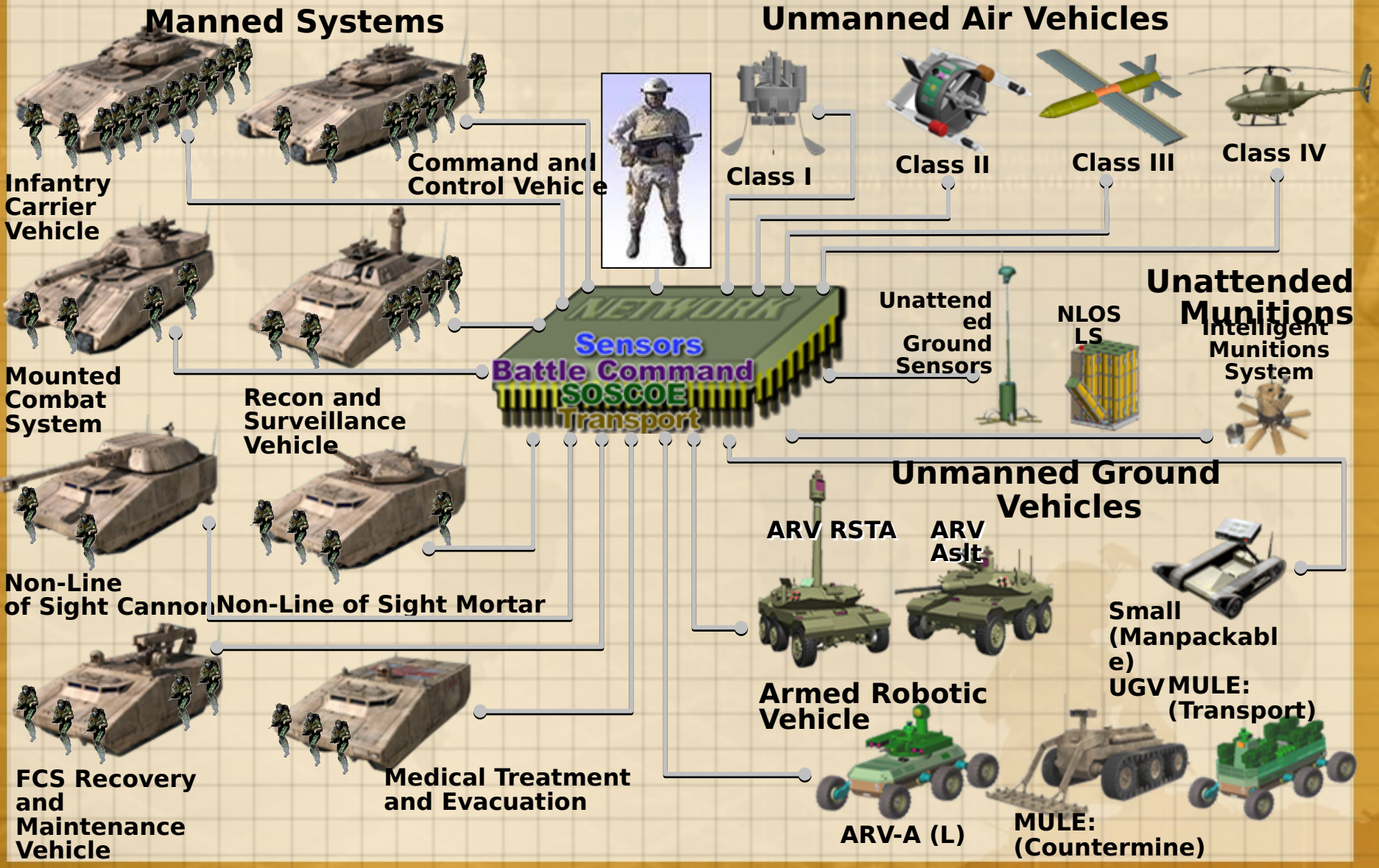
PM PEO Concerns & Interests

- Three R’s
- Big A, little a
- PORs vs Non-PORs
- Politics
- DoD Core Processes—War vs Non-War
- Budget…lack of…
- LCM/LCMC
- Bandwidth…lack of…

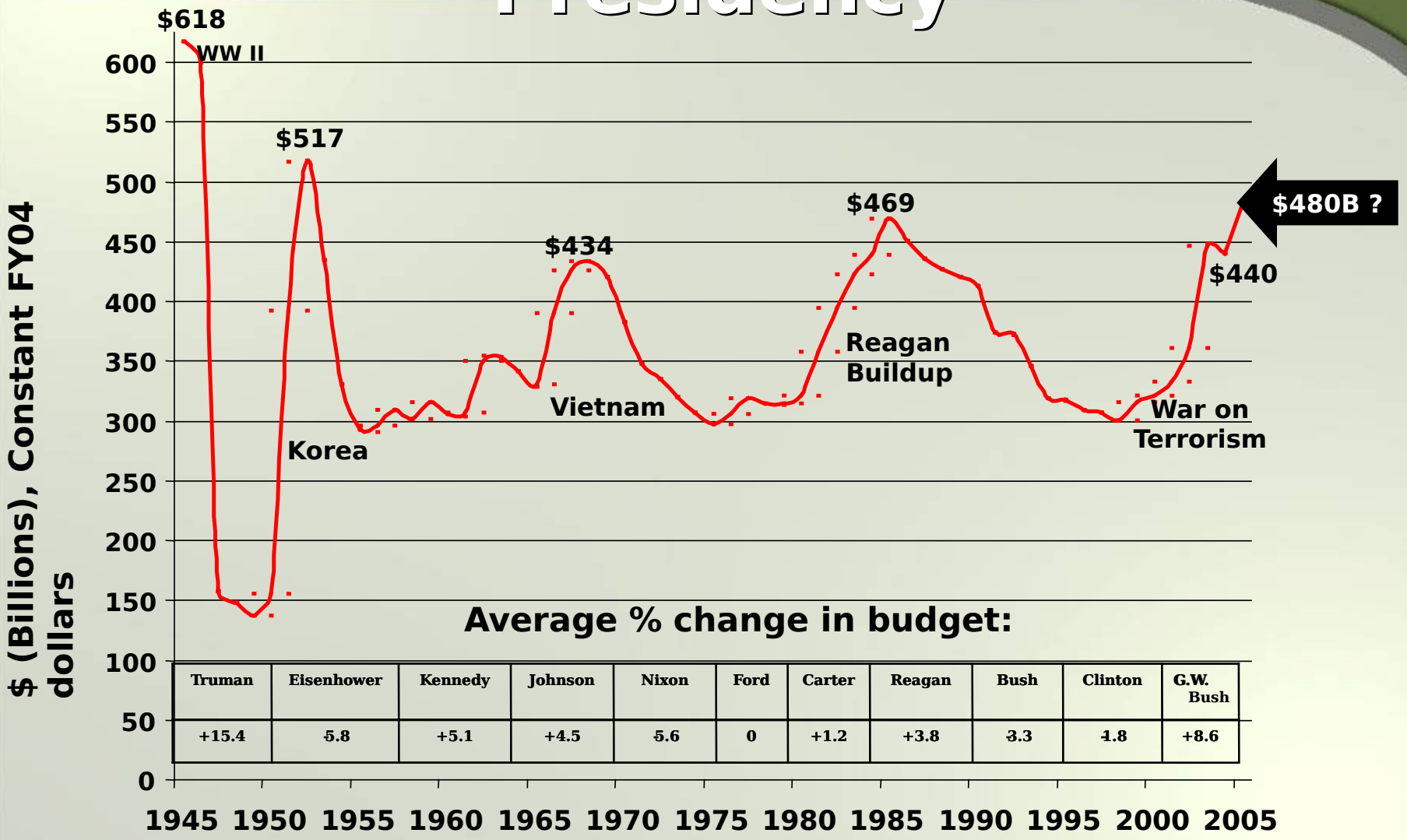
PM PEO Concerns & Interests

- Ethics
- DoD Prototyping Policy
- Oversight Increasing/Expertise Decreasing
- Army Contracting Agency
- Section 852: ☺ ☺ but…$…☹
- Acquisition History/Lessons Learned
- Termination Process…lack of…
- Acquisition Workforce & Leadership Committment

FCS Increment 1



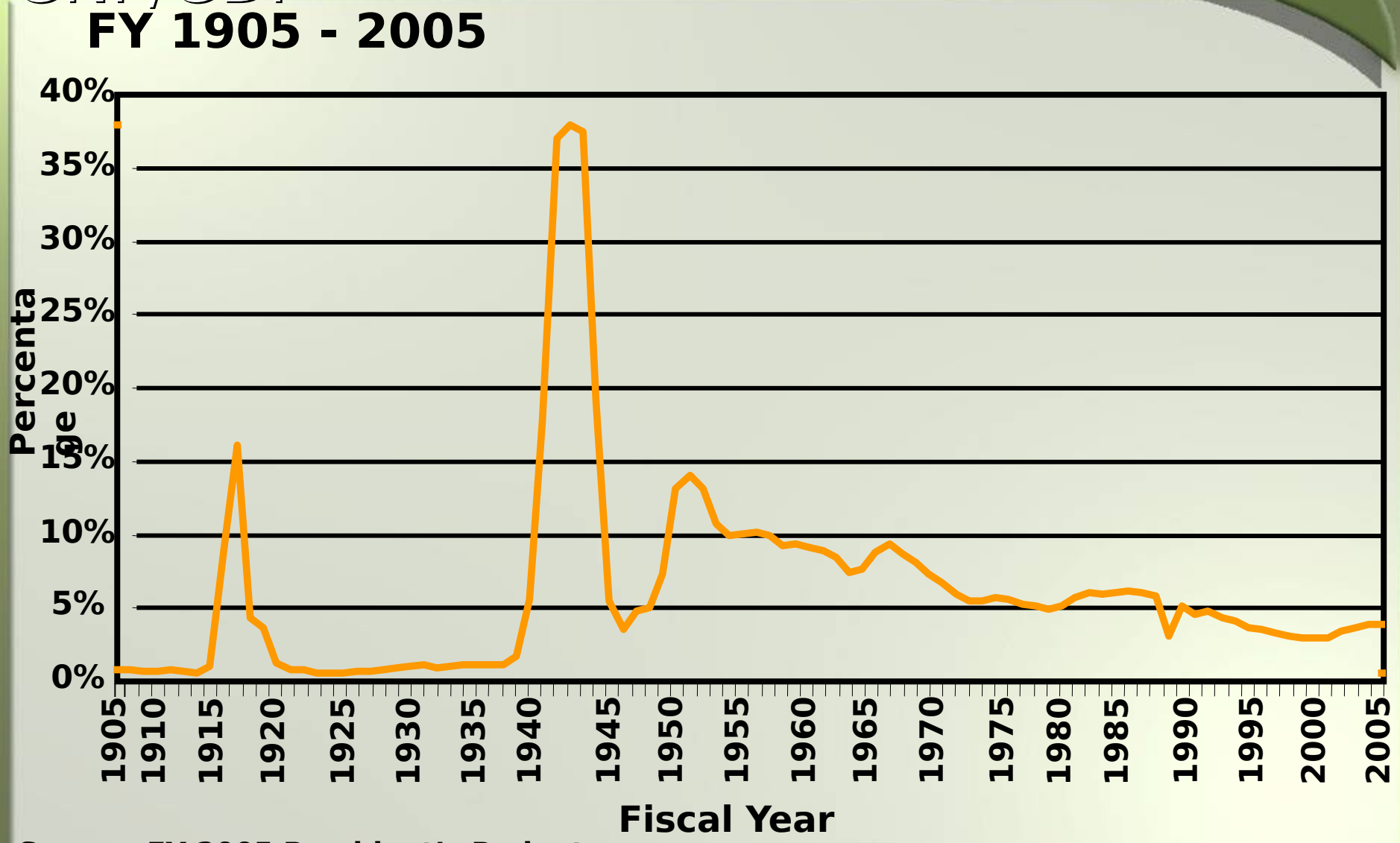
DoD Budget Authority by Presidency



Average % change in budget:

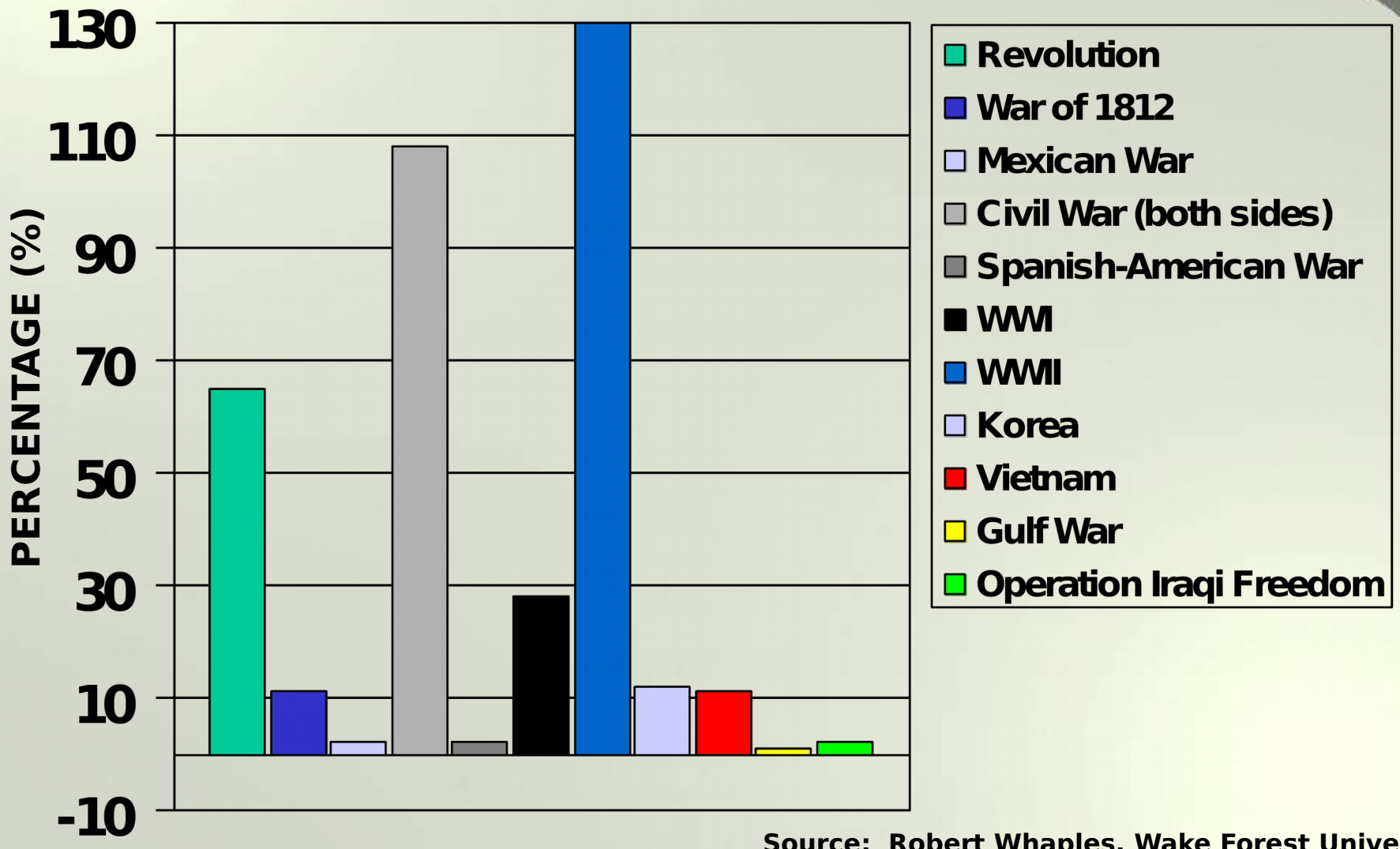
Truman	Eisenhower	Kennedy	Johnson	Nixon	Ford	Carter	Reagan	Bush	Clinton	G.W. Bush
+15.4	-5.8	+5.1	+4.5	-5.6	0	+1.2	+3.8	-3.3	-1.8	+8.6

Defense Outlays as a Percentage of GNP/GDP



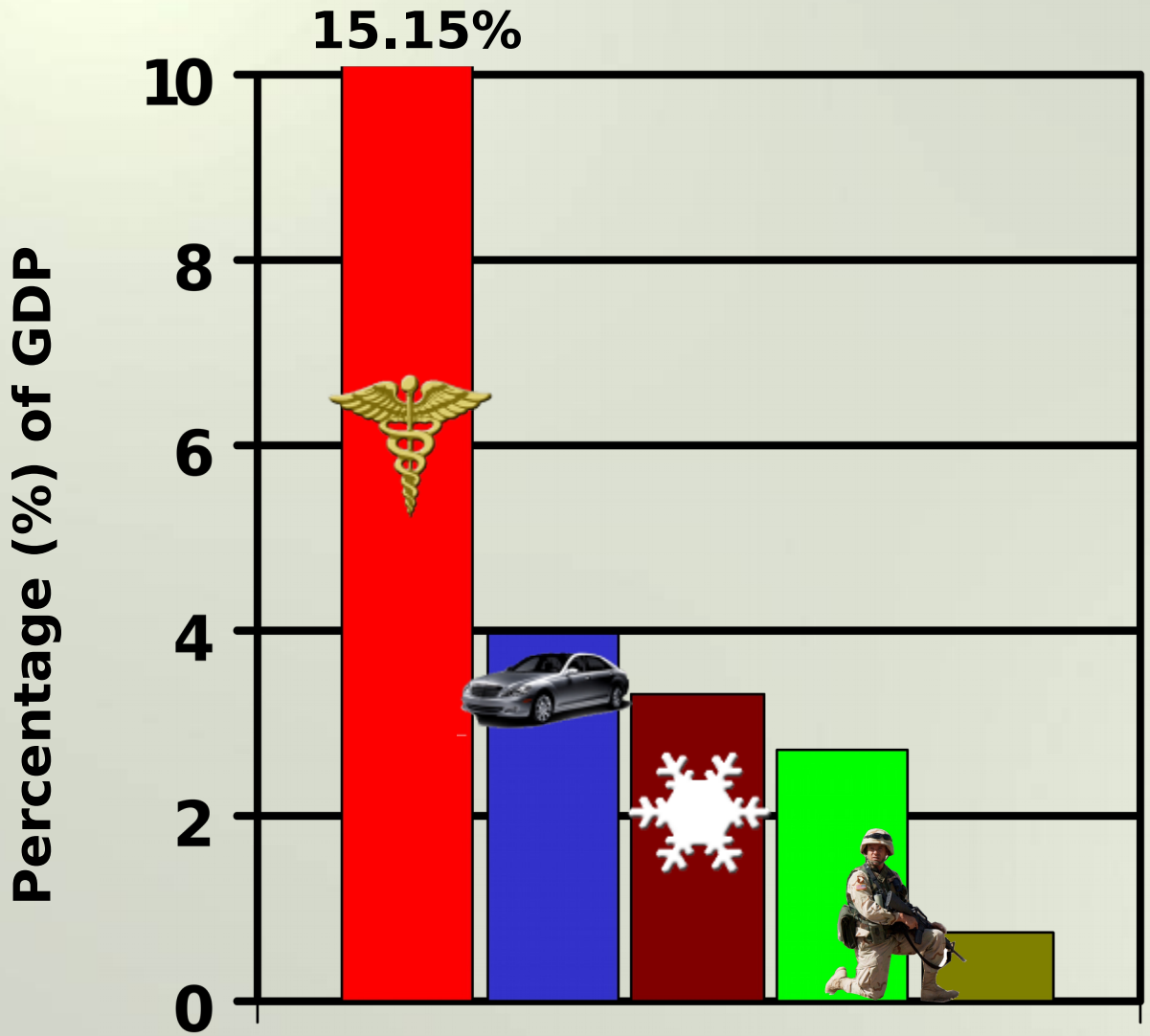
Source: FY 2005 President's Budget

ost of Wars as a Percent of GDP



Source: Robert Whaples, Wake Forest University

nsumer Spending vs. DoD Funding



- Health Care Spending
- Automobile Spending
- Winter Holiday Spending
- Department of Defense
- US Army

* Health Care Figures Provided By The National Coalition On Health Care

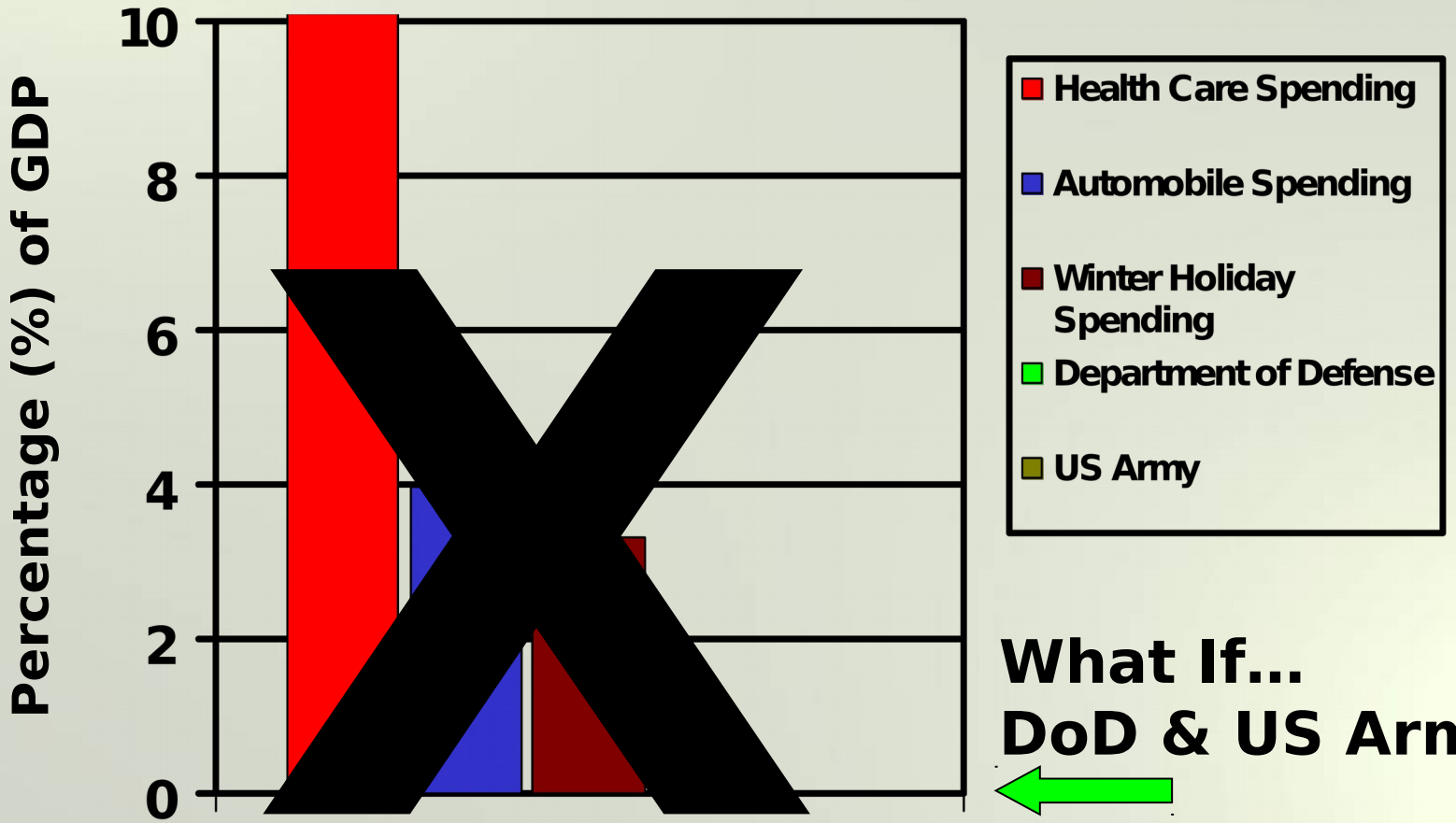
* Automobile Figures Provided By Department Of Commerce, Bureau Of Economic Analysis

*Holiday Figures Provided By The National Retail Federation

* Department of Defense Figures Provided By SAAL-RI

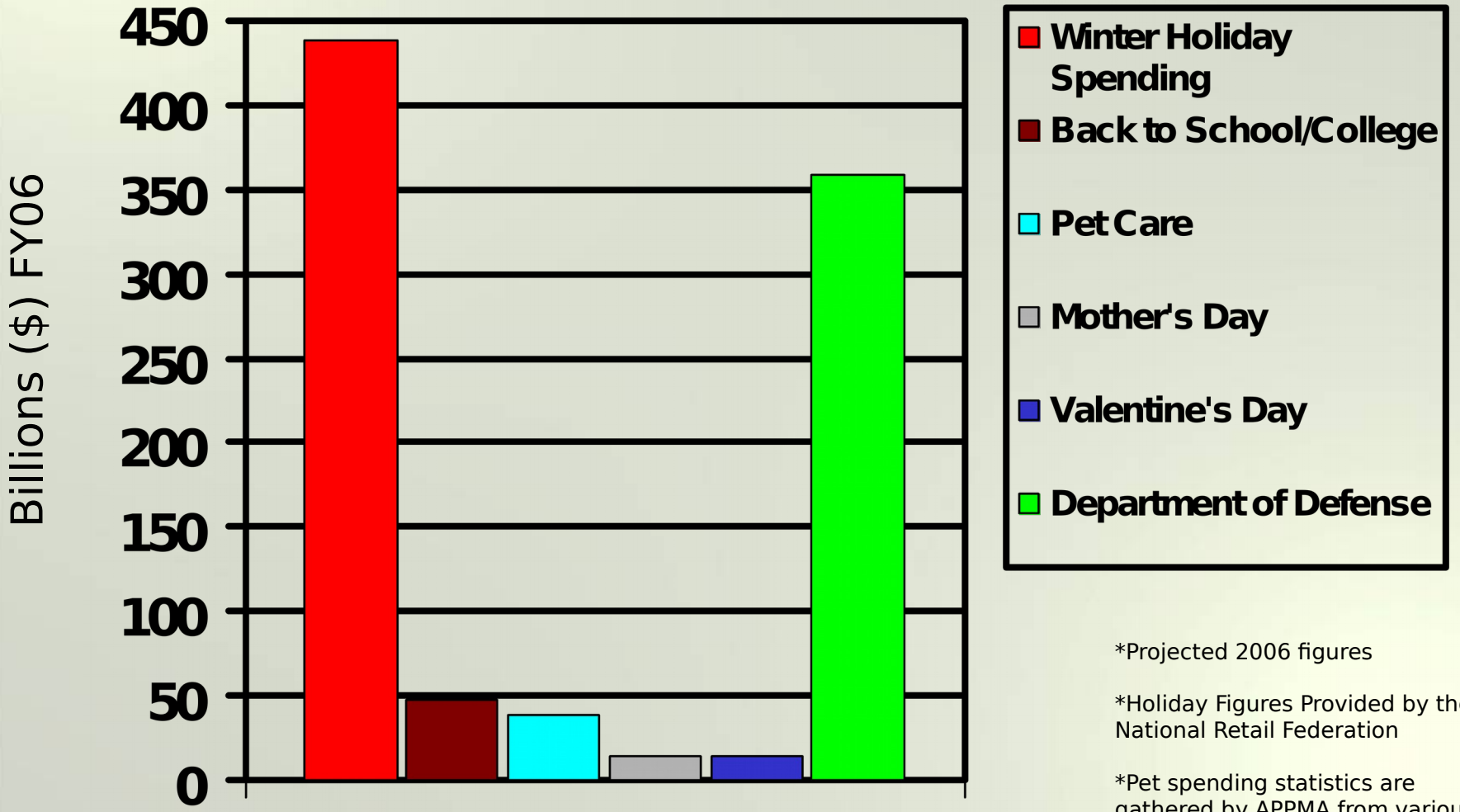
What If…

Without DoD & Army Funding, The Rest Would Be Impossible



What If…
DoD & US Army = 0%

nsumer Spending vs. DoD Funding



*Projected 2006 figures

*Holiday Figures Provided by the National Retail Federation

*Pet spending statistics are gathered by APPMA from various market research sources

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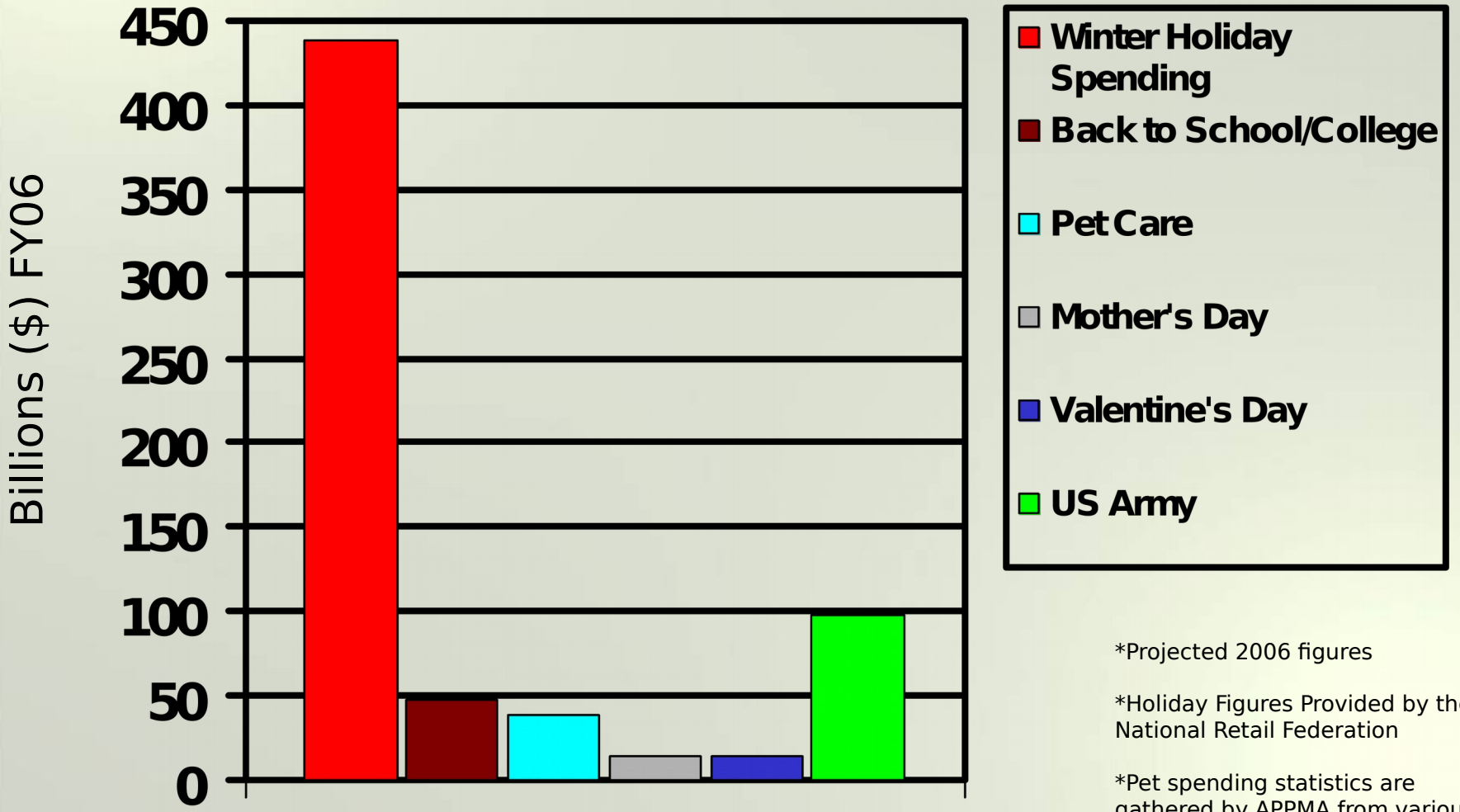

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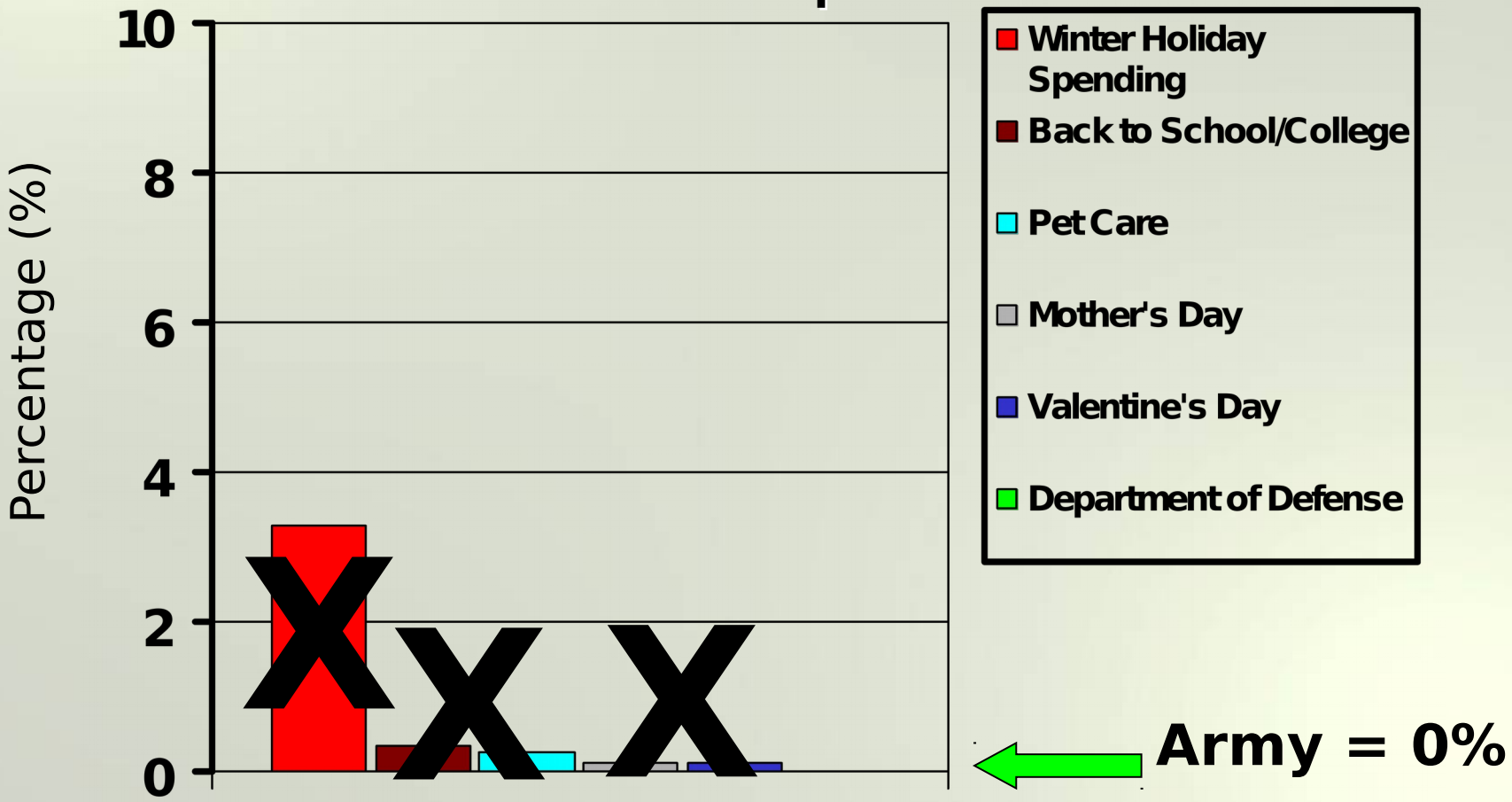

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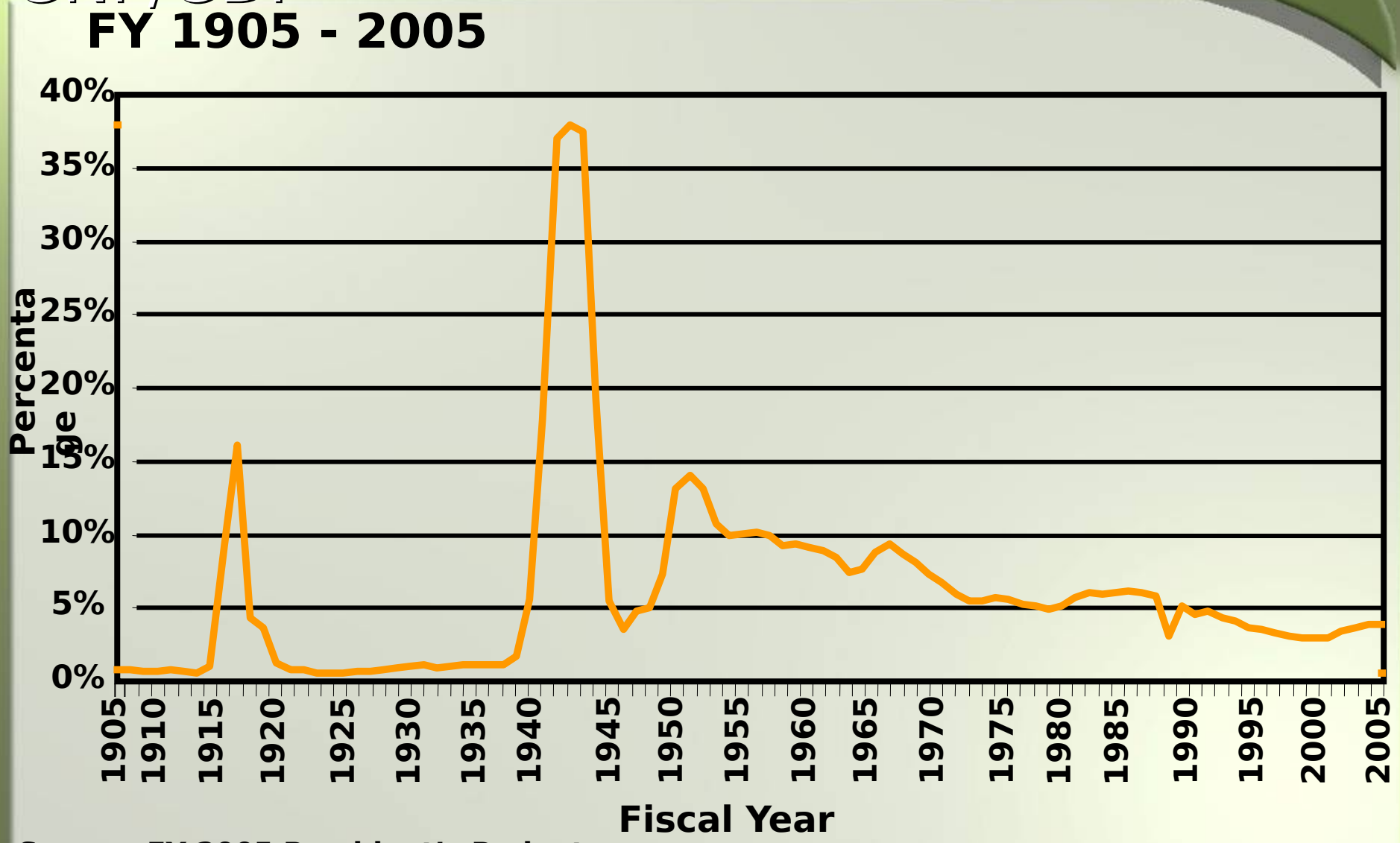
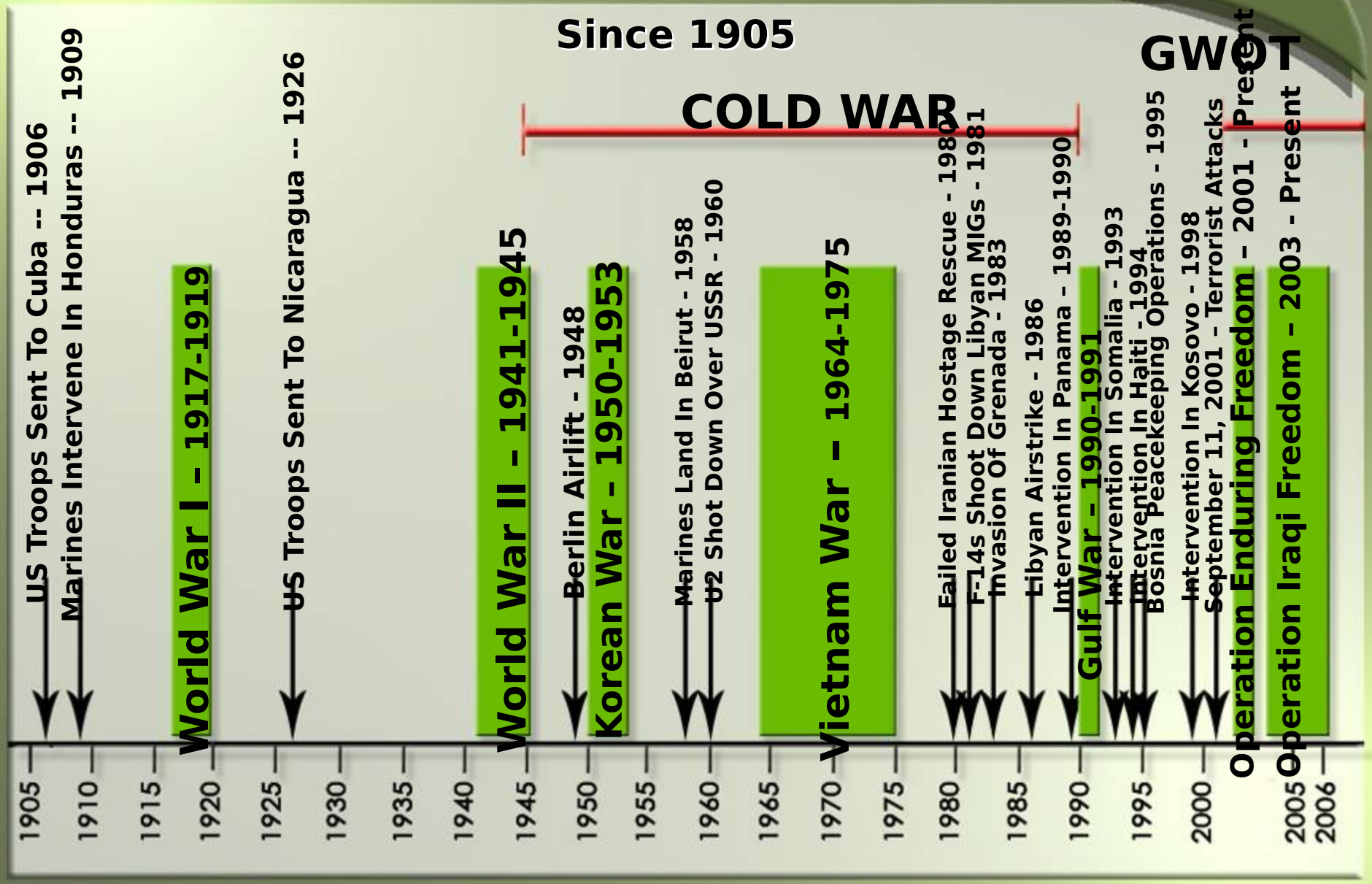


Source: FY 2005 President's Budget

Conflicts with U.S. Involvement



Question

How Do We Maintain A World Class Military On 2% GDP With A Hundred Years Of History Against Us?

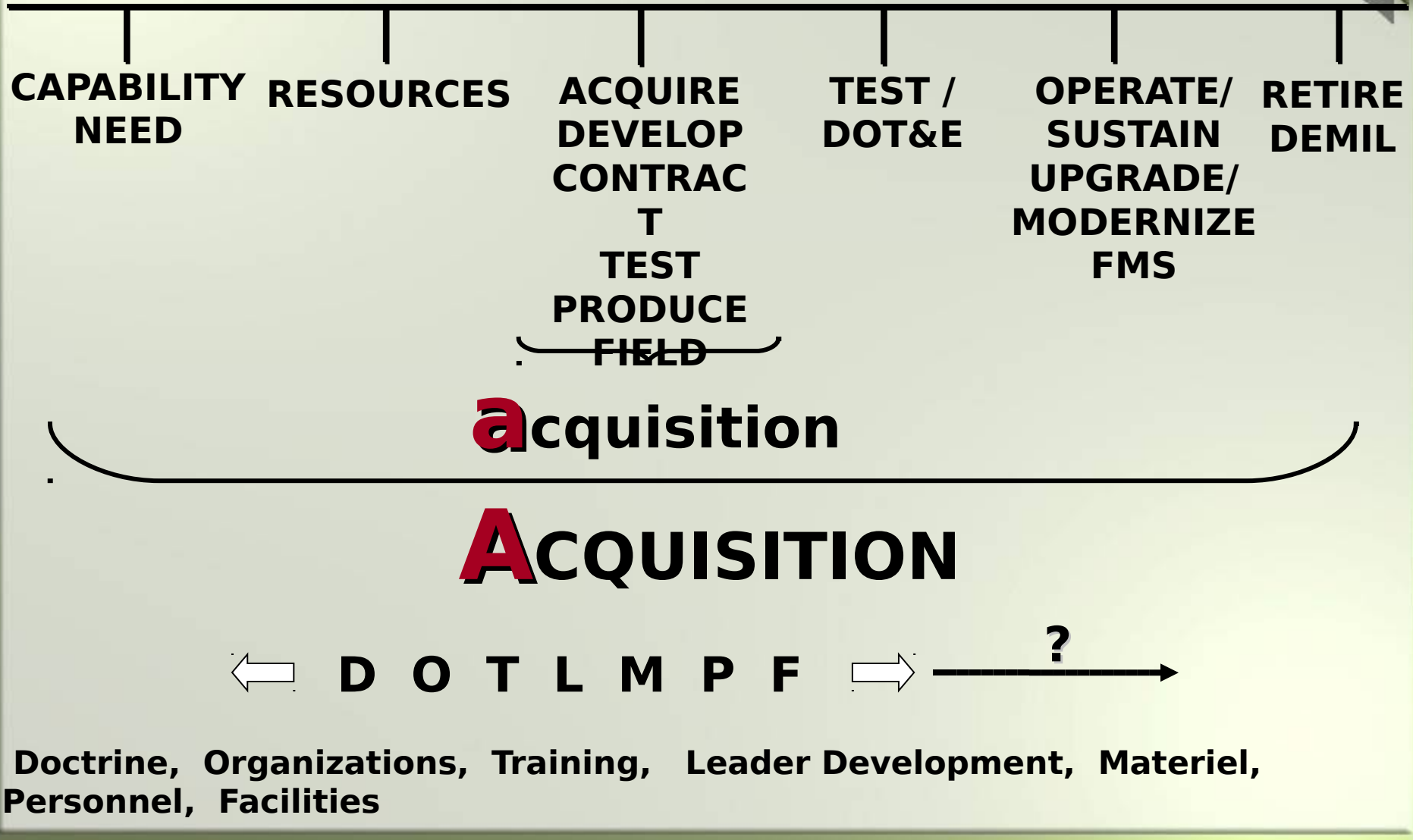
Solution

We Must Change The Way The DoD Does Business!

a.k.a
Acquisition & Logistics Excellence...Transformation

“BIG A – little a”

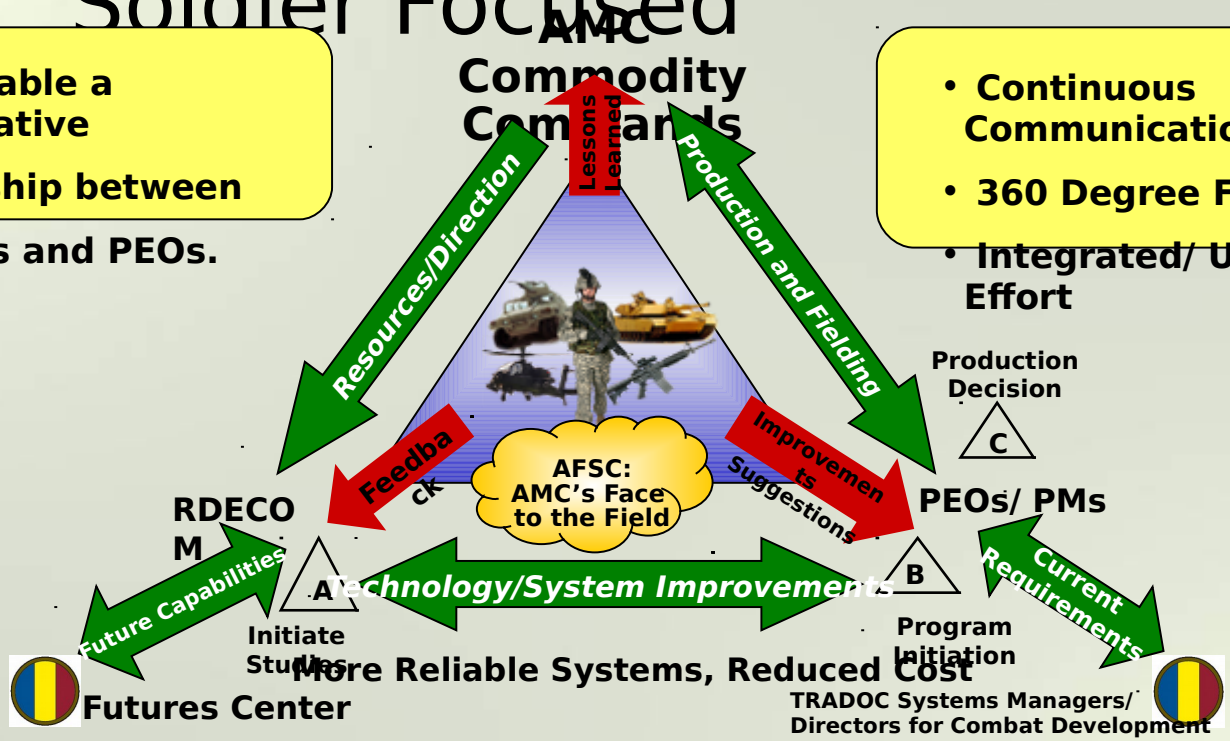
One Process – One Team



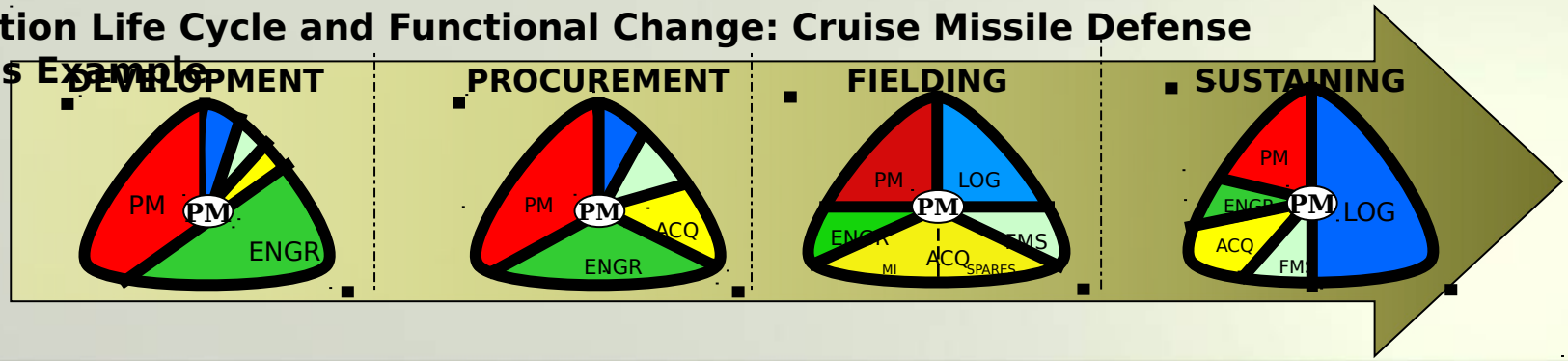
Life Cycle Management Commands (LCMC) Soldier Focused

LCMCs Enable a Collaborative Relationship between AMC MSCs and PEOs.

- **Continuous Communications**
- **360 Degree Feedback**
- **Integrated/ Unified Effort**



Acquisition Life Cycle and Functional Change: Cruise Missile Defense Systems Example



Program Termination Decision Tool

Program Health

- Cost
- Schedule
- Performance

Program Politics

- User (rqmts)
- Service
- OSD
- Congress
- Contractor
- International Countries
- Media

Program Manager

- Attitude
- Training
- Motivation

What Will It Take?

$115 - $130 Billio

Dedication Etched In Stone

????

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ATIRCM/Common Missile Warning System (ACAT IC--D)

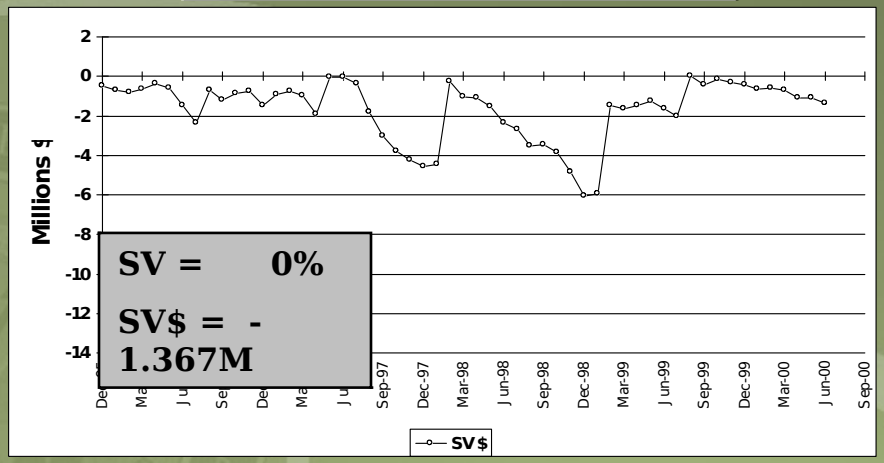
Joint Program (Army Lead)

Key Program Parameters (rebaselined

	Threshold	Actual	Variance
KPPs			
Prob of Declar*	100%	106%	+6%
False Alarm*	100%	80%	-20%
Cost			
Unit cost (AUPC)	$200K	$367K	-$167K (-84%)
Cost (RDT&E)	$594M	$631M	-$37M (-6%)
Schedule			
DT Start/End	Jan 01/Feb 01	Nov 00/Dec 00	-2 mo/-2 mo
OT Start/End	May 02/Jul 02	Mar 02/May 02	-2 mo/-2 mo
MS III (RW)	Sep 03	Jul 03	-2 mo

* KPPs normalized to 100%

Schedule Variance



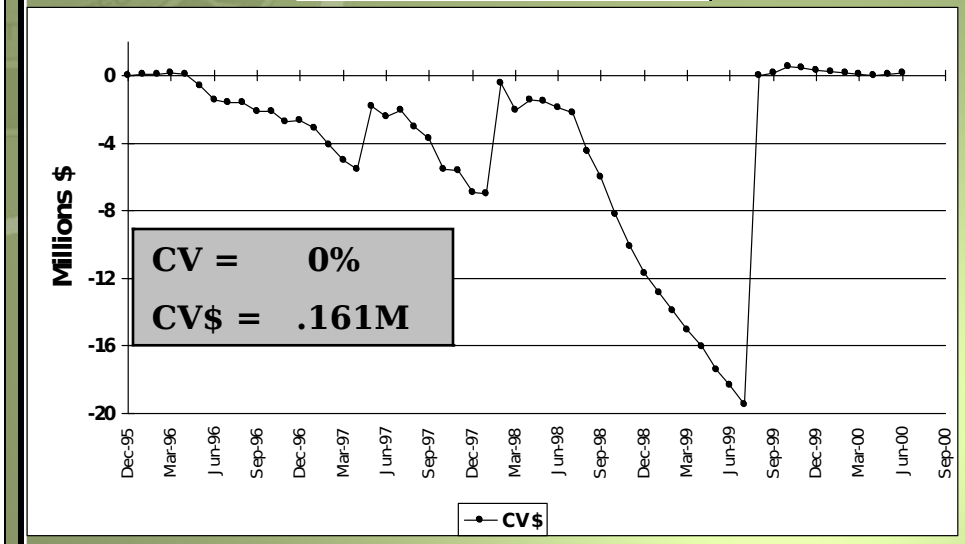
Key Issues/Risks

Awaiting official program termination position by USD(AT&L)

- Memorandum from OSD currently being drafted to SAF/AQ acknowledging AF concerns but supporting Army position--will require AF funding support for CMWS EMD from FY01-03 in the amounts requested by Army
- FY 02 AF POM position reflects zero-funding for CMWS
- Appropriations Conference Committee has zeroed AF CMWS funding
- Army revising schedule to reflect Army-only program
- APB and Program Office Estimate to be revised upon official OSD decision
- Develop MOU with Army to ensure smooth transition to Army-only program

CMWS System Performance Test completed Jul 00--no

Cost Variance



Current Force → Future

FCS

S&T, Defense, Commercial, Foreign

Current → Future

Rapid Fielding Initiative
Equipment Items Fielded to *All* Soldiers

Wick-Away Sports Bra

Close Combat Optics

Nomex Glove System

M4/M16 & M9 Magazine

MOLLE Accessories (BCT Item)

Combat Belt

Improved Hot Weather Desert Boot & Infantry Combat Boot Type II

Ballistic Eyewear Protection And Goggles

Advanced Combat Helmet, Cover & Mount

Hydration System

Moisture Wicking T-Shirt

Knee & Elbow Pads (BCT Item)

COTS Socks

Cold Weather Cap

Black Fleece Bib

Silk Weight Underwear

Rapid Equipping Force (REF)

REF IS an Innovative Provider of State-of-the-Art Equipment Not Available to Commanders Through the Regular Fielding Process.

PACKBOT

Translators

Wellcam

AND

Change the way you do Business!

"BIG A – little a"

One Process – One Team

CAPABILITY NEED | RESOURCES | ACQUIRE DEVELOP CONTRACT TEST PRODUCE FIELD | TEST / DOT&E | OPERATE/ SUSTAIN UPGRADE/ MODERNIZE FMS | RETIRE DEMIL

acquisition

ACQUISITION

⇦ D O T L M P F ⇨ ?

Doctrine, Organizations, Training, Leader Development, Materiel, Personnel, Facilities